

F E B S ADVANCED COURSE No.43

THE BASIC ROLE OF ORGANELLES IN THE CHEMICAL
MODIFICATION OF THE PRIMARY TRANSLATION PRODUCTS
OF SECRETORY PROTEINS

London, England, 20 - 23 September 1976

The Course, organized by Professor P.N. Campbell and Dr G. Blobel, will consist of lectures and discussions. The following subjects will be considered:

The Basic Secretory Pathway

Early events. *G. Blobel (Rockefeller University, New York)*

Events in membrane systems and exocytosis. *J.D. Jamieson (Yale University, New Haven)*

Glycosylation of immunoglobulins. *F. Melchers (Basel Institute for Immunology, Basel)*

Endocrine Systems

Pituitary - the synthesis of polypeptide hormones.

Endocrine pancreas - the synthesis of insulin and glucagon. *D.F. Steiner (Chicago University)*

Thyroid - the synthesis and degradation of thyroglobulin.

Parathyroid hormone - biosynthesis of parathyroid hormone as analyzed in heterologous cell-free systems and in the intact parathyroid cell. *J.F. Habener (Harvard University, Boston)*

Chemical characterization of pre-proparathyroid hormone. *J.T. Potts Jr. (Harvard University, Boston)*

Exocrine Systems

Exocrine pancreas - the synthesis of zymogens. *G. Blobel (Rockefeller University, New York)*

Mammary gland. *P.N. Campbell (Courtauld Institute, London)*

The synthesis of mellitin in the bee. *G. Kreil (Institute for Molecular Biology, Vienna)*

Fibroblasts

The synthesis of collagen. *M. Grant (Manchester University)*

The Hepatocyte

The synthesis of vitellogenin. *M. Gruber (Groningen University, The Netherlands)*

The synthesis of serum albumin. *J.D. Judah (University College Hospital Medical School, London)*

The Course will be held at the Middlesex Hospital Medical School, Cleveland Street, London, W1P 5PR, England.

Accommodation will be provided at the adjoining Astor College in Charlotte Street. A fee of £25 will be required to cover the cost of accommodation and main meals.

Applications together with a brief curriculum vitae from those who would like to participate either as speakers or students should be sent to:

Professor P.N. Campbell
Courtauld Institute of Biochemistry
The Middlesex Hospital Medical School
London, W1P 5PR, England

as soon as possible.